Release notes for ENDF/B Development n-080_Hg_196 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section MAT=8025, MF=1, MT=451 (1): Parsing stopped

ERROR(S) FOUND IN MAT=8025, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 195 TO 329

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=8025, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=8025, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 195

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=8025,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 331

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 340

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 428

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 515

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=5 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 5
SECTION 3/ 5 NOT IN DIRECTORY RECORD NUMBER 535

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 16 SECTION 3/ 16 NOT IN DIRECTORY

RECORD NUMBER 587

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 594

9. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 600

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 609

11. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER 617

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 631

13. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 641

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 651

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 55 SECTION 3/ 55 NOT IN DIRECTORY

RECORD NUMBER 66:

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 56 SECTION 3/ 56 NOT IN DIRECTORY

RECORD NUMBER 671

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 57 SECTION 3/ 57 NOT IN DIRECTORY

RECORD NUMBER 681

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 691

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 59 SECTION 3/ 59 NOT IN DIRECTORY

RECORD NUMBER 701

20. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 60 SECTION 3/ 60 NOT IN DIRECTORY

RECORD NUMBER 711

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 61 SECTION 3/ 61 NOT IN DIRECTORY

RECORD NUMBER 721

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=62 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 62 SECTION 3/ 62 NOT IN DIRECTORY

RECORD NUMBER 731

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 63 SECTION 3/ 63 NOT IN DIRECTORY

RECORD NUMBER 741

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 64 SECTION 3/ 64 NOT IN DIRECTORY

RECORD NUMBER 751

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 65 SECTION 3/ 65 NOT IN DIRECTORY

RECORD NUMBER 760

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 66 SECTION 3/ 66 NOT IN DIRECTORY

RECORD NUMBER 769

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 67 SECTION 3/ 67 NOT IN DIRECTORY

RECORD NUMBER 778

28. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 68 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 68 SECTION 3/ 68 NOT IN DIRECTORY

RECORD NUMBER 787

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 69 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 69 SECTION 3/ 69 NOT IN DIRECTORY

RECORD NUMBER 796

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=70 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 70

SECTION 3/ 70 NOT IN DIRECTORY

RECORD NUMBER 805

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 814

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 823

33. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT=103

SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 836

34. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 847

35. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=3, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 855

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 870

37. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 5281

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 17 SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 5284

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 5287

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 5290

41. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 51 SECTION 4/51 NOT IN DIRECTORY

RECORD NUMBER 5293

42. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 5400

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 53 SECTION 4/53 NOT IN DIRECTORY

RECORD NUMBER 5427

44. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 54 SECTION 4/54 NOT IN DIRECTORY

RECORD NUMBER 5454

45. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 55 SECTION 4/55 NOT IN DIRECTORY

RECORD NUMBER 5481

46. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 56 SECTION 4/56 NOT IN DIRECTORY

RECORD NUMBER 5508

47. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 5535

48. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 5562

49. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 59 SECTION 4/59 NOT IN DIRECTORY

RECORD NUMBER 5589

50. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 60 SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 5616

51. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 61 SECTION 4/ 61 NOT IN DIRECTORY

RECORD NUMBER 5643

52. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 4, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 62 SECTION 4/62 NOT IN DIRECTORY

RECORD NUMBER 5670

53. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 63 SECTION 4/63 NOT IN DIRECTORY

RECORD NUMBER 5697

54. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 4, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 64 SECTION 4/64 NOT IN DIRECTORY

RECORD NUMBER 5724

55. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 4, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 65 SECTION 4/ 65 NOT IN DIRECTORY

RECORD NUMBER 5750

56. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 4, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 66 SECTION 4/ 66 NOT IN DIRECTORY

RECORD NUMBER 5776

57. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=67 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 67 SECTION 4/ 67 NOT IN DIRECTORY

RECORD NUMBER 5802

58. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=68 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 68 SECTION 4/ 68 NOT IN DIRECTORY

RECORD NUMBER 5828

59. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=69 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 69 SECTION 4/ 69 NOT IN DIRECTORY

RECORD NUMBER 5855

60. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=4, MT=70 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 70 SECTION 4/ 70 NOT IN DIRECTORY

RECORD NUMBER 5881

61. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=8025,\ MF=4,\ MT=91\ (0):\ Directory\ (b)$

ERROR(S) FOUND IN MAT=8025, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 5907

62. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=5, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 5934

63. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=5, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 5, MT= 17 SECTION 5/ 17 NOT IN DIRECTORY

RECORD NUMBER 5985

64. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 5, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 6012

65. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=5, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 6087

66. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=5, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 6148

67. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=6, MT=5 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF= 6, MT= 5 SECTION 6/ 5 NOT IN DIRECTORY

RECORD NUMBER 6240

68. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 16 SECTION 12/ 16 NOT IN DIRECTORY

RECORD NUMBER 18863

69. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=16 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 16
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

70. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 17 SECTION 12/ 17 NOT IN DIRECTORY

RECORD NUMBER 18871

71. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=17 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 17
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

72. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 22 SECTION 12/ 22 NOT IN DIRECTORY

RECORD NUMBER 18877

73. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=22 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 22
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

74. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 28 SECTION 12/ 28 NOT IN DIRECTORY

RECORD NUMBER 18885

75. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=28 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

76. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 51 SECTION 12/ 51 NOT IN DIRECTORY

RECORD NUMBER 18893

77. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 52 SECTION 12/ 52 NOT IN DIRECTORY

RECORD NUMBER 18897

78. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 53 SECTION 12/ 53 NOT IN DIRECTORY

RECORD NUMBER 18901

79. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 54 SECTION 12/ 54 NOT IN DIRECTORY

RECORD NUMBER 18905

80. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 55 SECTION 12/ 55 NOT IN DIRECTORY

RECORD NUMBER 18909

81. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 12, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 56 SECTION 12/ 56 NOT IN DIRECTORY

RECORD NUMBER 18914

82. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 57 SECTION 12/ 57 NOT IN DIRECTORY

RECORD NUMBER 18918

83. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=58 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 58 SECTION 12/ 58 NOT IN DIRECTORY

RECORD NUMBER 18923

84. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 59 SECTION 12/ 59 NOT IN DIRECTORY

RECORD NUMBER 18927

85. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 60 SECTION 12/ 60 NOT IN DIRECTORY

RECORD NUMBER 18932

86. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=61 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 61 SECTION 12/ 61 NOT IN DIRECTORY

RECORD NUMBER 18936

87. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=62 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 62 SECTION 12/ 62 NOT IN DIRECTORY

RECORD NUMBER 18941

88. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=63 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 63 SECTION 12/ 63 NOT IN DIRECTORY

RECORD NUMBER 18946

89. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 12, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 64 SECTION 12/ 64 NOT IN DIRECTORY

RECORD NUMBER 18950

90. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 12, MT = 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 65 SECTION 12/ 65 NOT IN DIRECTORY

RECORD NUMBER 18955

91. Missing a section in directory so your directory is messed up. This error will break ev-

MAT = 8025, MF = 12, MT = 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 66 SECTION 12/ 66 NOT IN DIRECTORY

RECORD NUMBER 18959

92. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 12, MT = 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 67 SECTION 12/ 67 NOT IN DIRECTORY

RECORD NUMBER 18963

93. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 12, MT = 68 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 68 SECTION 12/ 68 NOT IN DIRECTORY

RECORD NUMBER 18967

94. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 12, MT = 69 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 69 SECTION 12/ 69 NOT IN DIRECTORY

RECORD NUMBER 18971

95. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 12, MT = 70 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 70 SECTION 12/ 70 NOT IN DIRECTORY

RECORD NUMBER 18976

96. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 12, MT = 91 (0): Directory (b)

12

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 91 SECTION 12/ 91 NOT IN DIRECTORY

RECORD NUMBER 18981

97. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=91 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT= 91
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

98. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT=102 SECTION 12/102 NOT IN DIRECTORY

RECORD NUMBER 18990

99. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=102 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT=102 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

100. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT=103 SECTION 12/103 NOT IN DIRECTORY

RECORD NUMBER 19003

101. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=103 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT=103
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

102. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT=104 SECTION 12/104 NOT IN DIRECTORY

RECORD NUMBER 19013

103. Missing a gamma spectrum for continuum of gammas $MAT=8025,\ MF=12,\ MT=104\ (1)$: No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT=104
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

104. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=12, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=12, MT=107 SECTION 12/107 NOT IN DIRECTORY

RECORD NUMBER 19021

105. Missing a gamma spectrum for continuum of gammas MAT=8025, MF=12, MT=107 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8025, MF=12, MT=107 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

106. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 14, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 16 SECTION 14/ 16 NOT IN DIRECTORY

RECORD NUMBER 19036

107. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 17 SECTION 14/ 17 NOT IN DIRECTORY

RECORD NUMBER 19038

108. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 14, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 22 SECTION 14/ 22 NOT IN DIRECTORY

RECORD NUMBER 19040

109. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 28 SECTION 14/ 28 NOT IN DIRECTORY

RECORD NUMBER 19042

110. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 51 SECTION 14/ 51 NOT IN DIRECTORY

RECORD NUMBER 19044

111. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 52 SECTION 14/ 52 NOT IN DIRECTORY

RECORD NUMBER 19046

112. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 53 SECTION 14/ 53 NOT IN DIRECTORY

RECORD NUMBER 19048

113. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=8025,\ MF=14,\ MT=54$ (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 54 SECTION 14/ 54 NOT IN DIRECTORY

RECORD NUMBER 19050

114. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 14, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 55 SECTION 14/ 55 NOT IN DIRECTORY

RECORD NUMBER 19052

115. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 14, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 56

SECTION 14/ 56 NOT IN DIRECTORY

RECORD NUMBER 19054

116. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 14, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 57 SECTION 14/ 57 NOT IN DIRECTORY

RECORD NUMBER 19056

117. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 14, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 58 SECTION 14/ 58 NOT IN DIRECTORY

RECORD NUMBER 19058

118. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 14, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 59 SECTION 14/ 59 NOT IN DIRECTORY

RECORD NUMBER 19060

119. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 14, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 60 SECTION 14/ 60 NOT IN DIRECTORY

RECORD NUMBER 19062

120. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 14, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 61 SECTION 14/ 61 NOT IN DIRECTORY

RECORD NUMBER 19064

121. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 8025, MF = 14, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 62 SECTION 14/ 62 NOT IN DIRECTORY

RECORD NUMBER 19066

122. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=8025,\ MF=14,\ MT=\ 63\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 63 SECTION 14/ 63 NOT IN DIRECTORY

RECORD NUMBER 19068

123. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT= 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 64 SECTION 14/ 64 NOT IN DIRECTORY

RECORD NUMBER 19070

124. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=65 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 65 SECTION 14/ 65 NOT IN DIRECTORY

RECORD NUMBER 19072

125. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=66 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 66 SECTION 14/ 66 NOT IN DIRECTORY

RECORD NUMBER 19074

126. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=67 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 67 SECTION 14/ 67 NOT IN DIRECTORY

RECORD NUMBER 19076

127. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=68 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 68 SECTION 14/ 68 NOT IN DIRECTORY

RECORD NUMBER 19078

128. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=69 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 69 SECTION 14/ 69 NOT IN DIRECTORY

RECORD NUMBER 19080

129. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=8025,\ MF=14,\ MT=\ 70\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 70 SECTION 14/ 70 NOT IN DIRECTORY

RECORD NUMBER 19082

130. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 14, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT= 91 SECTION 14/ 91 NOT IN DIRECTORY

RECORD NUMBER 19084

131. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT=102 SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 19086

132. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT=103 SECTION 14/103 NOT IN DIRECTORY

RECORD NUMBER 19088

133. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=8025,\ MF=14,\ MT=104\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT=104 SECTION 14/104 NOT IN DIRECTORY

RECORD NUMBER 19090

134. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=14, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=14, MT=107 SECTION 14/107 NOT IN DIRECTORY

RECORD NUMBER 19092

135. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT= 16 SECTION 15/ 16 NOT IN DIRECTORY

RECORD NUMBER 19095

136. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT= 17 SECTION 15/ 17 NOT IN DIRECTORY

RECORD NUMBER 19146

137. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT= 22 SECTION 15/ 22 NOT IN DIRECTORY

RECORD NUMBER 19169

138. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT= 28 SECTION 15/ 28 NOT IN DIRECTORY

RECORD NUMBER 19244

139. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT= 91 SECTION 15/ 91 NOT IN DIRECTORY

RECORD NUMBER 19312

140. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT=102

SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 19426

141. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 8025, MF = 15, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT=103 SECTION 15/103 NOT IN DIRECTORY

RECORD NUMBER 19669

142. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT=104 SECTION 15/104 NOT IN DIRECTORY

RECORD NUMBER 19778

143. Missing a section in directory so your directory is messed up. This error will break everything else MAT=8025, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=8025, MF=15, MT=107 SECTION 15/107 NOT IN DIRECTORY

RECORD NUMBER 19846

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 196. L = 0 / STRENGTH FUNCTION IS 1.90288E-02 / STRENGTH FUNCTION 1.90288E-02 / LIES OUTSIDE LIMITS 1.00000E-04 TO 6.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 196. L = 0

STRENGTH FUNCTION IS 1.90288E-02

STRENGTH FUNCTION 1.90288E-02

... [1 more lines]

2. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 22 / THE CALCULATED Q 1.77256E+06 DISSAGREES WITH THE GIVEN Q 1.99406E+06 (0): Iffy Q

FILE 3
SECTION 22
THE CALCULATED Q 1.77256E+06 DISSAGREES WITH THE GIVEN Q 1.99406E+06

- fudge-4.0 Warnings:
 - 1. Missing a channel with a particular angular momenta combination resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's! resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=102.85 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.47%

4. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 1:\ (z,n)\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 1.02%

- fudge-4.0 Errors:
 - 1. Level energy in gamma data doesn't match level energy in cross section data Reading ENDF file: ../n-080_Hq_196.endf (Error # 0): Level mismatch (d)

WARNING: MT51 MF12 level energy 4.26e5 eV differs from MF3 value 425980. eV. Setting to MF3 value.

2. Found a negative probability reaction label 18: n + Hg196-e18 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 2.5e6 eV, worst case: -0.00291532696318

3. Calculated and tabulated Q values disagree.

reaction label 22: n/multiplicity: '2'] + Hg195 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9489610.180603027 eV vs -8748690. eV!

4. Calculated and tabulated Q values disagree. reaction label 23: n[multiplicity:'3'] + Hg194 + gamma~(Error~#~0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15690741.58572388 eV vs -1.58064e7 eV!

5. Calculated and tabulated Q values disagree. reaction label 24: n + H1 + Au195 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6918820.994171143 eV vs -6569220. eV!

6. Calculated and tabulated Q values disagree. reaction label 25: Hg197 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6417218.551025391 eV vs 6.981e6 eV!

7. Calculated and tabulated Q values disagree. reaction label 26: n + He4 + Pt192 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 1674629.619140625 eV vs 1994060. eV!

8. Calculated and tabulated Q values disagree. reaction label 27: H1 + (Au196-s -> Au196 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -717689.589050293 eV vs 98470. eV!

9. Calculated and tabulated Q values disagree.

reaction label 28: H2 + (Au195-s -> Au195 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4701446.687561035 eV vs -4344610. eV!

10. Calculated and tabulated Q values disagree.

reaction label 29: He4 + (Pt193_s -> Pt193 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7875761.024291992 eV vs 8247750. eV!

• njoy2012 Warnings:

1. Evaluation has no unresolved resonance parameters given unresr...calculation of unresolved resonance cross sections (0): No URR

---message from unresr---mat 8025 has no unresolved parameters copy as is to nout

2. Evaluation has no unresolved resonance parameters given purr...probabilistic unresolved calculation (0): No URR

---message from purr---mat 8025 has no unresolved parameters copy as is to nout $\,$

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

group-...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

```
---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided
```

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to introduce things!

groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided

7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided

8. There is bad Kalbach parameter (r(E) or otherwise) check...ace consistency check (0): ACER/check energy distributions (0)

check energy distributions
 consis: ep.gt.epmax 9.897845E-12 with q.lt.0 for (n,x) at e 1.000000E-11 -> 1.000000E-11

9. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (1): ACER/check energy distributions (0)

check energy distributions

consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

10. There is bad Kalbach parameter (r(E) or otherwise)

check...ace consistency check (2): ACER/check energy distributions (0)

check energy distributions

consis: ep.gt.epmax 4.948922E+01 with q.lt.0 for (n,x) at e $5.000000E+01 \rightarrow 4.949524E+01$

11. There is bad Kalbach parameter (r(E) or otherwise) check...ace consistency check (3): ACER/check energy distributions (0)

check energy distributions

consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

12. There is bad Kalbach parameter (r(E) or otherwise) check...ace consistency check (4): ACER/check energy distributions (0)

```
check energy distributions
       consis: ep.gt.epmax 5.443814E+01 with q.lt.0 for (n,x) at e 5.500000E+01 \rightarrow 5.446964E+01
13. There is bad Kalbach parameter (r(E)) or otherwise)
    check...ace consistency check (5): ACER/check energy distributions (0)
     check energy distributions
       consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
14. There is bad Kalbach parameter (r(E)) or otherwise)
    check...ace consistency check (6): ACER/check energy distributions (0)
     check energy distributions
       consis: ep.gt.epmax 5.938707E+01 with q.lt.0 for (n,x) at e 6.000000E+01 \rightarrow 5.944403E+01
15. There is bad Kalbach parameter (r(E)) or otherwise)
    check...ace consistency check (7): ACER/check energy distributions (0)
     check energy distributions
       consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
16. There is bad Kalbach parameter (r(E)) or otherwise)
    check...ace consistency check (8): ACER/check energy distributions (0)
     check energy distributions
       consis: ep.gt.epmax 9.897845E+01 with q.lt.0 for (n,x) at e 1.000000E+02 \Rightarrow 9.899048E+01
17. There is bad Kalbach parameter (r(E) or otherwise)
    check...ace consistency check (9): ACER/check energy distributions (0)
     check energy distributions
       consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
18. There is bad Kalbach parameter (r(E)) or otherwise)
    check...ace consistency check (10): ACER/check energy distributions (0)
     check energy distributions
       consis: ep.gt.epmax 1.088762E+02 with q.lt.0 for (n,x) at e 1.100000E+02 -> 1.089393E+02
19. There is bad Kalbach parameter (r(E)) or otherwise)
    check...ace consistency check (11): ACER/check energy distributions (0)
     check energy distributions
       consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
20. There is bad Kalbach parameter (r(E)) or otherwise)
    check...ace consistency check (12): ACER/check energy distributions (0)
```

consis: ep.gt.epmax 1.187741E+02 with q.lt.0 for (n,x) at e 1.200000E+02 -> 1.188881E+02

check energy distributions

21. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (13): ACER/check energy distributions (0)

```
check energy distributions
```

consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

22. There is bad Kalbach parameter (r(E)) or otherwise)

check...ace consistency check (14): ACER/check energy distributions (0)

check energy distributions

consis: ep.gt.epmax 1.286719E+02 with q.lt.0 for (n,x) at e 1.300000E+02 -> 1.288369E+02

23. There is bad Kalbach parameter (r(E) or otherwise)

check...ace consistency check (15): ACER/check energy distributions (0)

check energy distributions

consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

24. There is bad Kalbach parameter (r(E) or otherwise)

check...ace consistency check (16): ACER/check energy distributions (0)

check energy distributions

consis: ep.gt.epmax 1.385697E+02 with q.lt.0 for (n,x) at e 1.400000E+02 -> 1.387856E+02

25. There is bad Kalbach parameter (r(E) or otherwise)

check...ace consistency check (17): ACER/check energy distributions (0)

check energy distributions

consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

26. There is bad Kalbach parameter (r(E)) or otherwise)

check...ace consistency check (18): ACER/check energy distributions (0)

check energy distributions

consis: ep.gt.epmax 1.484676E+02 with q.lt.0 for (n,x) at e 1.500000E+02 -> 1.487344E+02

27. There is bad Kalbach parameter (r(E) or otherwise)

check...ace consistency check (19): ACER/check energy distributions (0)

check energy distributions

consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

- njoy2012 Errors:
 - 1. An angular distribution is negative

acer...monte carlo neutron and photon data (0): Neg. $P(Ej\mu)$ (b)

---message from ptleg2---negative probs found

14 for mt= 68 e= 2.500E+06

- acelst Warnings:
 - 1. The incident energy grid is not monotonic for this angular distribution 0: Bad Ang. Dist.

ACELST WARNING - Processing Ang.Dist.MT

E-grid non-monotonic 2.00000000E+01 2.00000000E+01

• xsectplotter Errors:

1. Level energy in gamma data doesn't match level energy in cross section data (Error # 2): Level mismatch (d)

WARNING: MT51 MF12 level energy 4.26e5 eV differs from MF3 value 425980. eV. Setting to MF3 value.